SEQUENCE LISTING

<110> CINES, Douglas B HIGAZI, Abd Al-Roof

<120> COMPOSITIONS AND METHODS FOR MODULATING MUSCLE CELL AND TISSUE CONTRACTABILITY

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<151> 2000-06-20

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Leu Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn Arg Arg Pro 50 55 60

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Cys Pro Lys Lys Phe Gly Gly Gln His Cys Glu Ile Asp Lys Ser Lys 35 40 45

Thr Cys Tyr Glu Gly Asn Gly His Phe Tyr Arg Gly Lys Ala Ser Thr 50 55 60

Asp Thr Met Gly Arg Pro Cys Leu Pro Trp Asn Ser Ala Thr Val Leu 65 70 75 80

Gln Gln Thr Tyr His Ala His Arg Ser Asp Ala Leu Gln Leu Gly Leu 85 90 95

Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn Arg Arg Pro Trp
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Cys Tyr Val Gln Val Gly Leu Lys Pro Leu Val Gln Glu Cys Met Val 115 120 125

His Asp Cys Ala Asp Gly Lys Lys Pro Ser Ser Pro Pro Glu Glu Leu 130 135 140

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- Tyr Arg Arg His Arg Gly Gly Ser Val Thr Tyr Val Cys Gly Gly Ser 180 185 190
- Leu Ile Ser Pro Cys Trp Val Ile Ser Ala Thr His Cys Phe Ile Asp 195 200 205
- Tyr Pro Lys Lys Glu Asp Tyr Ile Val Tyr Leu Gly Arg Ser Arg Leu 210 215 220
- Asn Ser Asn Thr Gln Gly Glu Met Lys Phe Glu Val Glu Asn Leu Ile 225 230 235 240
- Leu His Lys Asp Tyr Ser Ala Asp Thr Leu Ala His His Asn Asp Ile
 245 250 255
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- Arg Thr Ile Gln Thr Ile Cys Leu Pro Ser Met Tyr Asn Asp Pro Gln 275 280 285
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- Asp Tyr Leu Tyr Pro Glu Gln Leu Lys Met Thr Val Val Lys Leu Ile 305 310 315 320
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- Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Ser Leu Gln Gly Arg Met 355 360 365
- Thr Leu Thr Gly Ile Val Ser Trp Gly Arg Gly Cys Ala Leu Lys Asp 370 375 380
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Leu 225	Val	Cys	Ser	Leu	Gln 230	Gly	Arg	Met	Thr	Leu 235	Thr	Gly	Ile	Val	Ser 240
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Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn Arg Arg Arg Pro Trp
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Asn Gln Pro Trp Phe Ala Ala Ile Tyr Arg Arg His Arg Gly Gly Ser
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Val Thr Tyr Val Cys Gly Gly Ser Leu Ile Ser Pro Cys Trp Val Ile
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Glu Gly Arg Cys Ala Gln Pro Ser Arg Thr Ile Gln Thr Ile Cys Leu 260 265 270

Pro Ser Met Tyr Asn Asp Pro Gln Phe Gly Thr Ser Cys Glu Ile Thr 275 280 285

Gly Phe Gly Lys Glu Asn Ser Thr Asp Tyr Leu Tyr Pro Glu Gln Leu 290 295 300

Lys Met Thr Val Val Lys Leu Ile Ser His Arg Glu Cys Gln Gln Pro 305 310 315 320

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Pro Gln Trp Lys Thr Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu 340 345 350

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Asn	Gln	Pro	Trp	Phe 85	Ala	Ala	Ile	Tyr	Arg 90	Arg	His	Arg	Gly	Gly 95	Ser
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Ser	Ala	Thr 115	His	Cys	Phe	Ile	Asp 120	Tyr	Pro	Lys	Lys	Glu 125	Asp	Tyr	Ile
Val	Tyr 130	Leu	Gly	Arg	Ser	Arg 135	Leu	Asn	Ser	Asn	Thr 140	Gln	Gly	Glu	Met
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Thr	Leu	Ala	His	His 165	Asn	Asp	Ile	Ala	Leu 170	Leu	Lys	Ile	Arg	Ser 175	Lys
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Thr Cys Tyr Glu Gly Asn Gly His Phe Tyr Arg Gly Lys Ala Ser Thr 50 55 60

Asp Thr Met Gly Arg Pro Cys Leu Pro Trp Asn Ser Ala Thr Val Leu 65 70 75 80

Gln Gln Thr Tyr His Ala His Arg Ser Asp Ala Leu Gln Leu Gly Leu 85 90 95

Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn Arg Arg Pro Trp
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